

Application Serial No. 10/607,276
Amendment dated July 13, 2004
Reply to Office action of April 19, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A micro channel unit comprising:
a micro channel with a width of micrometer dimensions through which liquid flows, the micro channel comprising:
a plurality of straight channel portions extending in a straight line pattern; and
connecting channel portions that connect each pair of adjacent straight channel portions, the connecting channel portions being wider than the straight channel portions connected by the connecting channel portions.
2. (Original) The micro channel unit of claim 1, wherein each connecting channel portion becomes progressively wider from one of two adjacent straight channel portions connected by the connecting channel portion, toward the other straight channel portion, and is widest in a middle portion.
3. (Original) The micro channel unit of claim 2, wherein the shape of the connecting channel portion is curved.